SEQUENCE LISTING

<110> Kim, Kyung Jin
    Chuntharapai, Anan
    Lu, Ji

<120> Monoclonal Antibodies to IFNAR2

<130> A-67640-1/RFT/DCF

<140> 09/166,298
<141> 1998-10-05

<150> 60/061,185
<151> 1997-10-06

<160> 26

<170> PatentIn Ver. 2.0

<210> 1
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 1
gatcgggaaa gggaaaccga aactgaagcc   30

<210> 2
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 2
gatcggcttc agtttcggtt tccctttccc   30

<210> 3
<211> 5
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

<400> 3
Asp Tyr Thr Asp Glu
 1   5

<210> 4
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 4
Ala Tyr Thr Ala Ala
 1   5

<210> 5
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 5
Glu Leu Lys Asn His
 1   5

<210> 6
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 6
Ala Leu Ala Asn Ala
 1   5

<210> 7
<211> 6

```
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 7
Lys Pro Glu Asp Leu Lys
  1               5


<210> 8
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 8
Ala Pro Ala Ala Leu Ala
  1               5


<210> 9
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 9
Asp Leu Thr Asp Glu
  1               5


<210> 10
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 10
Ala Leu Thr Ala Ala
  1               5
```

<210> 11
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 11
Arg Ser Thr His Glu
  1   5

<210> 12
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 12
Ala Ser Thr Ala Ala
  1   5

<210> 13
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 13
Asp Met Ser Phe Glu
  1   5

<210> 14
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 14
Ala Met Ser Phe Ala
  1   5

<210> 15
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 15
Glu Glu Glu Leu Gln Phe Asp
  1   5

<210> 16
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic .

<400> 16
Ala Ala Ala Leu Gln Phe Ala
  1   5

<210> 17
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 17
Glu Glu Gln Ser Glu
  1   5

<210> 18
<211> 5
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 18
Ala Ala Gln Ser Ala
  1   5

<210> 19
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 19
Lys Lys His Lys Pro
  1   5

<210> 20
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 20
Ala Ala His Ala Pro
  1   5

<210> 21
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 21
Glu Ile Lys Gly Asn
  1   5

<210> 22
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 22
Ala Ile Ala Gly Asn
  1   5

<210> 23
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 23
Glu His Ser Asp Glu Ala
  1   5

<210> 24
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 24
Ala Ala Ser Ala Ala Gln
  1   5

<210> 25
<211> 6152
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

```
gaattcctaa aaatagcaaa gatgcttttg agccagaatg ccttcatcgt cagatcactt 60
aatttggttc tcatggtgta tatcagcctc gtgtttggta tttcatatga ttcgcctgat 120
tacacagatg aatcttgcac tttcaagata tcattgcgaa atttccggtc catcttatca 180
tgggaattaa aaaaccactc cattgtacca actcactata cattgctgta tacaatcatg 240
agtaaaccag aagatttgaa ggtggttaag aactgtgcaa ataccacaag atcatttgt 300
gacctcacag atgagtggag aagcacacac gaggcctatg tcaccgtcct agaaggattc 360
agcgggaaca caacgttgtt cagttgctca cacaatttct ggctggccat agacatgtct 420
tttgaaccac cagagtttga gattgttggt tttaccaacc acattaatgt gatggtgaaa 480
tttccatcta ttgttgagga agaattacag tttgatttat ctctcgtcat tgaagaacag 540
tcagagggaa ttgttaagaa gcataaaccc gaaataaaag gaaacatgag tggaaatttc 600
acctatatca ttgacaagtt aattccaaac acgaactact gtgtatctgt ttatttagag 660
cacagtgatg agcaagcagt aataaagtct cccttaaaat gcaccctcct tccacctggc 720
caggaatcag aatcagcaga atctgccgac aaaactcaca catgcccacc gtgcccagca 780
cctgaactcc tggggggacc gtcagtcttc ctcttccccc caaaacccaa ggacaccctc 840
atgatctccc ggacccctga ggtcacatgc gtggtggtgg acgtgagcca cgaagaccct 900
gaggtcaagt tcaactggta cgtggacggc gtggaggtgc ataatgccaa gacaaagccg 960
cgggaggagc agtacaacag cacgtaccga gtggtcagcg tcctcaccgt cctgcaccag 1020
gactggctga atggcaagga gtacaagtgc aaggtctcca caaagccct cccagccccc 1080
atcgagaaaa ccatctccaa agccaaaggg cagccccgag aaccacaggt gtacaccctg 1140
ccccatccc gggaagagat gaccaagaac caggtcagcc tgacctgcct ggtcaaaggc 1200
ttctatccca gcgacatcgc cgtggagtgg gagagcaatg ggcagccgga gaacaactac 1260
aagaccacgc ctcccgtgct ggactccgac ggctccttct tcctctacag caagctcacc 1320
gtggacaaga gcaggtggca gcaggggaac gtcttctcat gctccgtgat gcatgaggct 1380
ctgcacaacc actacacgca gaagagcctc tccctgtctc cgggtaaatg agtgcgacgg 1440
ccctagagtc gacctgcaga agcttagaac cgaggggccg ccatggccca acttgtttat 1500
tgcagcttat aatggttaca aataaagcaa tagcatcaca aatttcacaa ataaagcatt 1560
tttttcactg cattctagtt gtggtttgtc caaactcatc aatgtatctt atcatgtctg 1620
gatcgatcgg gaattaattc ggcgcagcac catggcctga ataacctct gaaagaggaa 1680
cttggttagg taccttctga ggcggaaaga accagctgtg gaatgtgtgt cagttagggt 1740
gtggaaagtc cccaggctcc ccagcaggca gaagtatgca aagcatgcat ctcaattagt 1800
cagcaaccag gtgtggaaag tccccaggct ccccagcagg cagaagtatg caaagcatgc 1860
atctcaatta gtcagcaacc atagtcccgc ccctaactcc gcccatcccg cccctaactc 1920
cgcccagttc gcccattct ccgccccatg ctgactaat ttttttatt tatgcagagg 1980
ccgaggccgc ctcggcctct gagctattcc agaagtagtg aggaggcttt tttggaggcc 2040
taggcttttg caaaaagctg ttaacagctt ggcactggcc gtcgttttac aacgtcgtga 2100
ctgggaaaac cctggcgtta cccaacttaa tcgccttgca gcacatcccc cttcgccag 2160
ctggcgtaat agcgaagagg cccgcaccga tcgcccttcc aacagttgc gtagcctgaa 2220
tggcgaatgg cgcctgatgc ggtattttct ccttacgcat ctgtgcggta tttcacaccg 2280
catacgtcaa agcaaccata gtacgcgccc tgtagcggcg cattaagcgc ggcgggtgtg 2340
gtggttacgc gcagcgtgac cgctacactt gccagcgccc tagcgcccgc tcctttcgct 2400
ttcttccctt cctttctcgc cacgttcgcc ggctttcccc gtcaagctct aaatcggggg 2460
ctccctttag ggttccgatt tagtgcttta cggcacctcg accccaaaaa acttgatttg 2520
ggtgatggtt cacgtagtgg gccatcgccc tgatagacgg tttttcgccc tttgacgttg 2580
gagtccacgt tctttaatag tggactcttg ttccaaactg gaacaacact caaccctatc 2640
tcgggctatt ctttttgattt ataagggatt ttgccgattt cggcctattg gttaaaaaat 2700
gagctgattt aacaaaaatt taacgcgaat tttaacaaaa tattaacgtt acaattttta 2760
tggtgcactc tcagtacaat ctgctctgat gccgcatagt taagccaact ccgctatcgc 2820
```

```
tacgtgactg ggtcatggct gcgccccgac acccgccaac acccgctgac gcgccctgac 2880
gggcttgtct gctcccggca tccgcttaca gacaagctgt gaccgtctcc gggagctgca 2940
tgtgtcagag gttttcaccg tcatcaccga aacgcgcgag gcagtattct tgaagacgaa 3000
agggcctcgt gatacgccta tttttatagg ttaatgtcat gataataatg gtttcttaga 3060
cgtcaggtgg cacttttcgg ggaaatgtgc gcggaacccc tatttgttta tttttctaaa 3120
tacattcaaa tatgtatccg ctcatgagac aataaccctg ataaatgctt caataatatt 3180
gaaaaaggaa gagtatgagt attcaacatt tccgtgtcgc ccttattccc ttttttgcgg 3240
cattttgcct tcctgttttt gctcacccag aaacgctggt gaaagtaaaa gatgctgaag 3300
atcagttggg tgcacgagtg ggttacatcg aactggatct caacagcggt aagatccttg 3360
agagttttcg ccccgaagaa cgttttccaa tgatgagcac ttttaaagtt ctgctatgtg 3420
gcgcggtatt atcccgtgat gacgccgggc aagagcaact cggtcgccgc atacactatt 3480
ctcagaatga cttggttgag tactcaccag tcacagaaaa gcatcttacg gatggcatga 3540
cagtaagaga attatgcagt gctgccataa ccatgagtga taacactgcg ccaacttac 3600
ttctgacaac gatcggagga ccgaaggagc taaccgcttt tttgcacaac atgggggatc 3660
atgtaactcg ccttgatcgt tgggaaccgg agctgaatga agccatacca aacgacgagc 3720
gtgacaccac gatgccagca gcaatggcaa caacgttgcg caaactatta actggcgaac 3780
tacttactct agcttcccgg caacaattaa tagactggat ggaggcggat aaagttgcag 3840
gaccacttct gcgctcggcc cttccggctg gctggtttat tgctgataaa tctggagccg 3900
gtgagcgtgg gtctcgcggt atcattgcag cactggggcc agatggtaag ccctcccgta 3960
tcgtagttat ctacacgacg gggagtcagg caactatgga tgaacgaaat agacagatcg 4020
ctgagatagg tgcctcactg attaagcatt ggtaactgtc agaccaagtt tactcatata 4080
tactttagat tgatttaaaa cttcattttt aatttaaaag gatctaggtg aagatccttt 4140
ttgataatct catgaccaaa atcccttaac gtgagttttc gttccactga gcgtcagacc 4200
ccgtagaaaa gatcaaagga tcttcttgag atcctttttt tctgcgcgta atctgctgct 4260
tgcaaacaaa aaaaccaccg ctaccagcgg tggtttgttt gccggatcaa gagctaccaa 4320
ctcttttccc gaaggtaact ggcttcagca gagcgcagat accaaatact gtccttctag 4380
tgtagccgta gttaggccac cacttcaaga actctgtagc accgcctaca tacctcgctc 4440
tgctaatcct gttaccagtg gctgctgcca gtggcgataa gtcgtgtctt accgggttgg 4500
actcaagacg atagttaccg gataaggcgc agcggtcggg ctgaacgggg ggttcgtgca 4560
cacagcccag cttggagcga acgacctaca ccgaactgag atacctacag cgtgagcatt 4620
gagaaagcgc cacgcttccc gaagggagaa aggcggacag gtatccggta agcggcaggg 4680
tcggaacagg agagcgcacg agggagcttc caggggggaaa cgcctggtat ctttatagtc 4740
ctgtcgggtt cgccacctc tgacttgagc gtcgattttt gtgatgctcg tcaggggggc 4800
ggagcctatg gaaaaacgcc agcaacgcgg cctttttacg gttcctggcc ttttgctggc 4860
cttttgctca catgttcttt cctgcgttat ccccctgattc tgtggataac cgtattaccg 4920
cctttgagtg agctgatacc gctcgccgca gccgaacgac cgagcgcagc gagtcagtga 4980
gcgaggaagc ggaagagcgc ccaatacgca aaccgcctct ccccgcgcgt tggccgattc 5040
attaatccag ctggcacgac aggtttcccg actggaaagc gggcagtgag cgcaacgcaa 5100
ttaatgtgag ttacctcact cattaggcac cccaggcttt acactttatg cttccggctc 5160
gtatgttgtg tggaattgtg agcggataac aatttcacac aggaaacagc tatgaccatg 5220
attacgaatt aattcgagct cgcccgacat tgattattga ctagttatta atagtaatca 5280
attacggggt cattagttca tagcccatat atggagttcc gcgttacata acttacggta 5340
aatggcccgc ctggctgacc gcccaacgac ccccgcccat tgacgtcaat aatgacgtat 5400
gttcccatag taacgccaat agggactttc cattgacgtc aatgggtgga gtatttacgg 5460
taaactgccc acttggcagt acatcaagtg tatcatatgc caagtacgcc ccctattgac 5520
gtcaatgacg gtaaatggcc cgcctggcat tatgcccagt acatgacctt atgggacttt 5580
cctacttggc agtacatcta cgtattagtc atcgctatta ccatggtgat gcggttttgg 5640
cagtacatca atgggcgtgg atagcggttt gactcacggg gatttccaag tctccacccc 5700
```

```
attgacgtca atgggagttt gttttggcac caaaatcaac gggactttcc aaaatgtcgt 5760
aacaactccg ccccattgac gcaaatgggc ggtaggcgtg tacggtggga ggtctatata 5820
agcagagctc gtttagtgaa ccgtcagatc gcctggagac gccatccacg ctgttttgac 5880
ctccatagaa gacaccggga ccgatccagc ctccgcggcc gggaacggtg cattggaacg 5940
cggattcccc gtgccaagag tgacgtaagt accgcctata gagtctatag cccacccccc 6000
ttggctcgtt agaacgcggc tacaattaat acataacctt atgtatcata cacatacgat 6060
ttaggtgaca ctatagaata acatccactt tgcctttctc tccacaggtg tccactccca 6120
ggtccaactg caggccatgg cggccatcga tt                             6152
```

<210> 26
<211> 443
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 26

```
Ile Ser Tyr Asp Ser Pro Asp Tyr Thr Asp Glu Ser Cys Thr Phe Lys
1               5                   10                  15

Ile Ser Leu Arg Asn Phe Arg Ser Ile Leu Ser Trp Glu Leu Lys Asn
            20                  25                  30

His Ser Ile Val Pro Thr His Tyr Thr Leu Leu Tyr Thr Ile Met Ser
            35                  40                  45

Lys Pro Glu Asp Leu Lys Val Val Lys Asn Cys Ala Asn Thr Thr Arg
        50                  55                  60

Ser Phe Cys Asp Leu Thr Asp Glu Trp Arg Ser Thr His Glu Ala Tyr
65                  70                  75                  80

Val Thr Val Leu Glu Gly Phe Ser Gly Asn Thr Thr Leu Phe Ser Cys
                85                  90                  95

Ser His Asn Phe Trp Leu Ala Ile Asp Met Ser Phe Glu Pro Pro Glu
                100                 105                 110

Phe Glu Ile Val Gly Phe Thr Asn His Ile Asn Val Met Val Lys Phe
            115                 120                 125

Pro Ser Ile Val Glu Glu Glu Leu Gln Phe Asp Leu Ser Leu Val Ile
        130                 135                 140

Glu Glu Gln Ser Glu Gly Ile Val Lys Lys His Lys Pro Glu Ile Lys
145                 150                 155                 160
```

Gly Asn Met Ser Gly Asn Phe Thr Tyr Ile Ile Asp Lys Leu Ile Pro
              165   170   175

Asn Thr Asn Tyr Cys Val Ser Val Tyr Leu Glu His Ser Asp Glu Gln
          180   185   190

Ala Val Ile Lys Ser Pro Leu Lys Cys Thr Leu Leu Pro Pro Gly Gln
          195   200   205

Glu Ser Glu Ser Ala Glu Ser Ala Asp Lys Thr His Thr Cys Pro Pro
          210   215   220

Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro
225   230   235   240

Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr
                245   250   255

Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn
          260   265   270

Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg
          275   280   285

Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val
          290   295   300

Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser
305   310   315   320

Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys
                325   330   335

Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu
          340   345   350

Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe
          355   360   365

Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu
          370   375   380

Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe
385   390   395   400

Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly
              405   410   415

```
Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr
            420                 425                 430

Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
        435                 440
```